

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	NEW
				Filing Date	24 March 2004
				First Named Inventor	Ratnam, Rama
				Group Art Unit	UNKNOWN
				Examiner Name	UNKNOWN
Sheet	1	of	1	Attorney Docket No.	22010-202

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
CC		U.S. 2003/0103561	06-05-2003	Rickard et al.	
CC		U.S. 6,279,379	08-28-2001	Logue et al.	
CC		U.S. 4,590,591	05-20-1986	Leroy et al.	
CC		U.S. 4,312,053	01-19-1982	Lipsky	
CC		U.S. 6,243,322	06-05-2001	Zakarauskas	
CC		U.S. 5,792,072	08-11-1998	Keefe	
CC		U.S. 6,219,645	04-17-2001	Byers	
CC		U.S. 2003/0014248	01-16-2003	Veiter	
CC		U.S. 2003/0112983	06-19-2003	Rosca et al.	
CC		U.S. 6,130,949	10-10-2000	Aoki et al.	
CC		U.S. 5,774,562	06-30-1998	Furuya et al.	
CC		U.S. 5,940,499	08-17-1999	Fujii et al.	
CC		U.S. 5,784,339	07-21-1998	Woodsum et al.	
CC		U.S. 5,729,612	03-17-1998	Abel et al.	
CC		U.S. 5,818,945	10-06-1998	Makino et al.	

FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
CC		WO 02/090902 A2	11-14-2002	Christensen, et al.		

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		Application Number	NEW		
		Filing Date	24 March 2004		
		First Named Inventor	Ratnam, Rama		
		Group Art Unit	UNKNOWN		
		Examiner Name	UNKNOWN		
Sheet	2	of	2	Attorney Docket Number	22010-202

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CC		AZIMI-SADJADI, M.R., et al. A New Time Delay Estimation in Subbands for Resolving Multiple Specular Reflections, IEEE Transactions on Signal Processing, December 1998, pp. 3398-403, Vol. 46, No. 12.		
CC		BENESTY, J. Adaptive eigenvalue decomposition algorithm for passive acoustic source localization, J. Acoust. Soc. Amer., January 2000, pp. 384-91, Vol. 107, No. 1.		
CC		BRANDSTEIN, M.S. Time-delay estimation of reverberated speech exploiting harmonic structure, J. Acoust. Soc. Amer., May 1999, pp. 2914-19, Vol. 105, No. 5.		
CC		CHARLESTON, S., et al. Interference Cancellation in Respiratory Sounds via a Multiresolution Joint Time-Delay and Signal-Estimation Scheme, IEEE Transactions on Signal Processing, October 1997, pp. 1006-19, Vol. 44, No. 10.		
CC		COUVREUR, L., et al. Model-based Blind Estimation of Reverberation Time: Application to Robust ASR in Reverberant Environments, Lernout & Hauspie Speech Products, Belgium, at least as early as October 2, 2003.		
CC		DALENBACK, Ph.D., Bengt-Inge. Reverberation time, diffuse reflection, Sabine, and computerized prediction - part I and part II, Website publication, at least as early as October 2003.		
CC		GUNEL, B. Room Shape and Size Estimation Using Directional Impulse Response Measurements, School of Computer Science, Queen's University Belfast, UK, at least as early as October 2003.		
CC		HO, K.C. and BLUNT, S.D. Rapid Identification of a Sparse Impulse Response Using an Adaptive Algorithm in the Haar Domain, IEEE Transactions on Signal Processing, March 2003, pp. 628-638, Vol. 51, No. 3.		
CC		HUANG, Y. and BENESTY, J. A Class of Frequency-Domain Adaptive Approaches to Blind Multichannel Identification, January 2003, pp. 11-24, Vol. 51, No. 1.		
CC		KINGSBURY, B. and MORGAN, N. Recognizing Reverberant Speech with Rasta-PLP, Presented at ICASSP-97, Munich, 1997, pp. 1259-62, Vol. 2.		
CC		KIRKPATRICK, S., et al. Optimization by Simulated Annealing, Science, May 1983, pp. 671-80, Vol. 220, No. 4598.		
CC		KOTROPOULOS, C. and PITAS, I. Adaptive LMS L-filters for noise suppression in images, University of Thessaloniki, Greece, 1996.		
CC		RATNAM, R., et al. Blind estimation of reverberation time, J. Acoust. Soc. Amer., November 2003, pp. 2877-92, Vol. 114, No. 5.		
CC		TANG, K.S., et al. Genetic Algorithms and their Applications, IEEE Transactions on Signal Processing, November 1996, pp. 22-37.		

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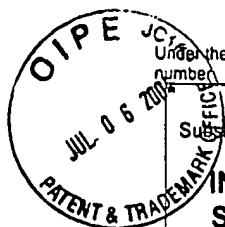
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/807,885
Filing Date	24 March 2004
First Named Inventor	Ratnam, Rama
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket No.	22010-202

Sheet 1 of 1

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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CC		Attias et al., "Blind Source Separation and Deconvolution: The Dynamic Component Analysis Algorithm", Massachusetts Institute of Technology, vol. 10, pp. 1373-1424, 1998	
CC		Bell et al., "An Information-Maximization Approach to Blind Separation and Blind Deconvolution", Massachusetts Institute of Technology, Vol. 7, pp. 1129-1159, 1995	
CC		Chu, W. T., "Comparison of reverberation measurements using Schroeder's impulse method and decay-curve averaging method", Acoustical Society of America, Vol. 63, No. 5, pp. 1444-1450, May 1978	
CC		Cox et al., "Extracting Room Reverberation Time from Speech Using Artificial Neural Networks", J. Audio Eng. Society, Vol. 49, No. 4, pp. 219-230, April 2001	
CC		Lebart et al., "A New Method Based on Spectral Subtraction for Speech Dereverberation", Acustica, Vol. 87, pp. 359-366, 2001	
CC		Nannariello et al., "The prediction of reverberation time using neural network analysis," Elsevier Science Ltd., Applied Acoustics, Vol. 58, pp. 305-325, 1999	
CC		Schroeder, M.R., "New Method of Measuring Reverberation Time", Acoustical Society of America, pp. 409-412, 1964	
CC		Schroeder, M.R., "Complementarity of Sound Buildup and Decay", The Journal of the Acoustical Society of America, Vol. 40, No. 3, pp. 549-551, April 1966	
CC		Tahara, Y et al., "A New Approach to Optimum Reverberation Time Characteristics", Elsevier Science Ltd., Applied Acoustics, Vol. 54, No. 2, pp. 113-129, 1998	
CC		Xiang, Ning, "Evaluation of reverberation times using a nonlinear regression approach", Acoustical Society of America, Vol. 98, No. 4, pp. 2112-2121, October 1995	

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